

CLAIMS
(without amendment)

1. (previously presented): An immunocompromised transgenic rodent which has the characteristics of expressing a first fluorescent protein in all tissues except hair and erythrocytes while maintaining its immunocompromised phenotype,

wherein said rodent is obtained by first crossing a rodent that expresses said first fluorescent protein by virtue of the presence of a transgenic expression system comprising a nucleotide sequence encoding said first fluorescent protein operatively linked to a β actin promoter which rodent is not immunocompromised with a rodent that does not express the fluorescent protein and is immunocompromised,

secondly crossing the offspring of said first crossing to obtain at least one male rodent and at least one female rodent that express said first fluorescent protein and are immunocompromised;

thirdly crossing said male rodent with said female rodent to obtain at least one offspring that expresses said first fluorescent protein and is immunocompromised;

fourth, crossing said offspring of said third crossing with a rodent that does not express said first fluorescent protein and is immunocompromised to obtain rodents that have said characteristics; and

breeding the rodents obtained in said fourth crossing to obtain progeny thereof;

wherein said transgenic rodent is further modified to contain a tumor that expresses a second fluorescent protein that emits a wavelength different from that of the first fluorescent protein.

2. (original): The rodent of claim 1 which is a mouse.

3. (previously presented): The mouse of claim 2 wherein the immunocompromised rodent is a *nu/nu* mouse.

4-21. (canceled)